

FIG.1

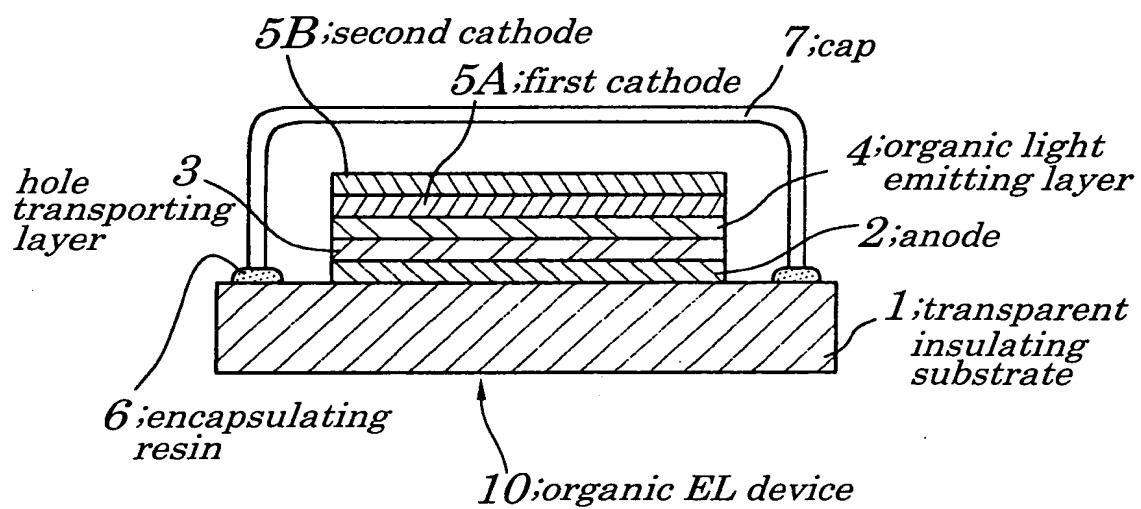


FIG.2A

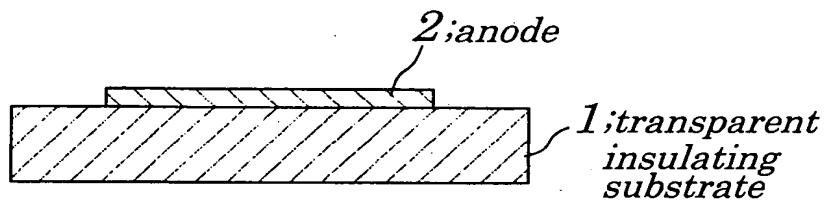


FIG.2B

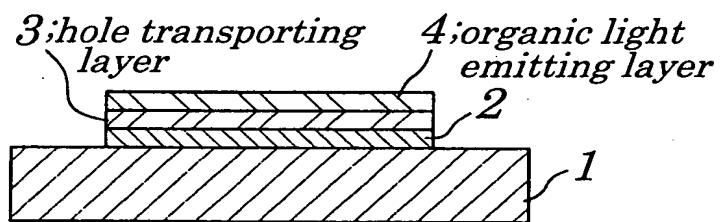


FIG.2C

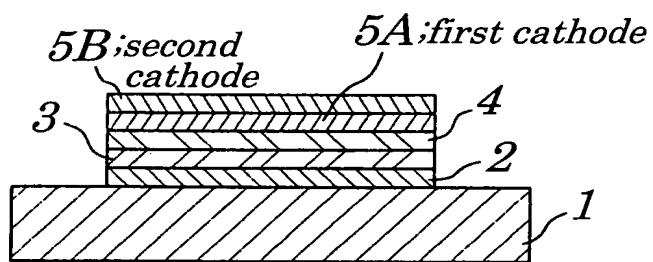


FIG.2D

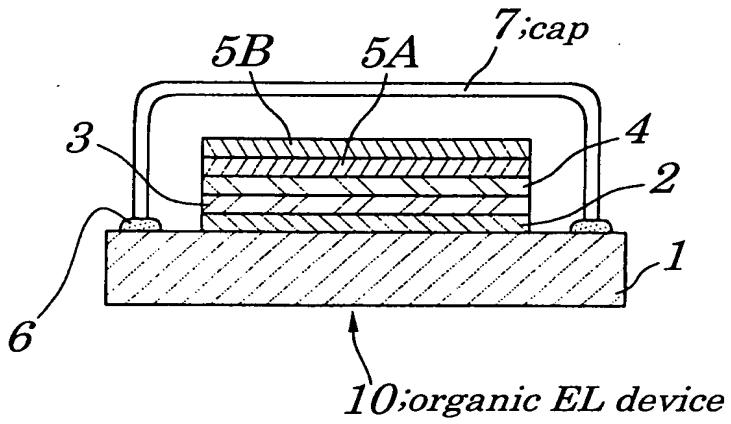


FIG.3

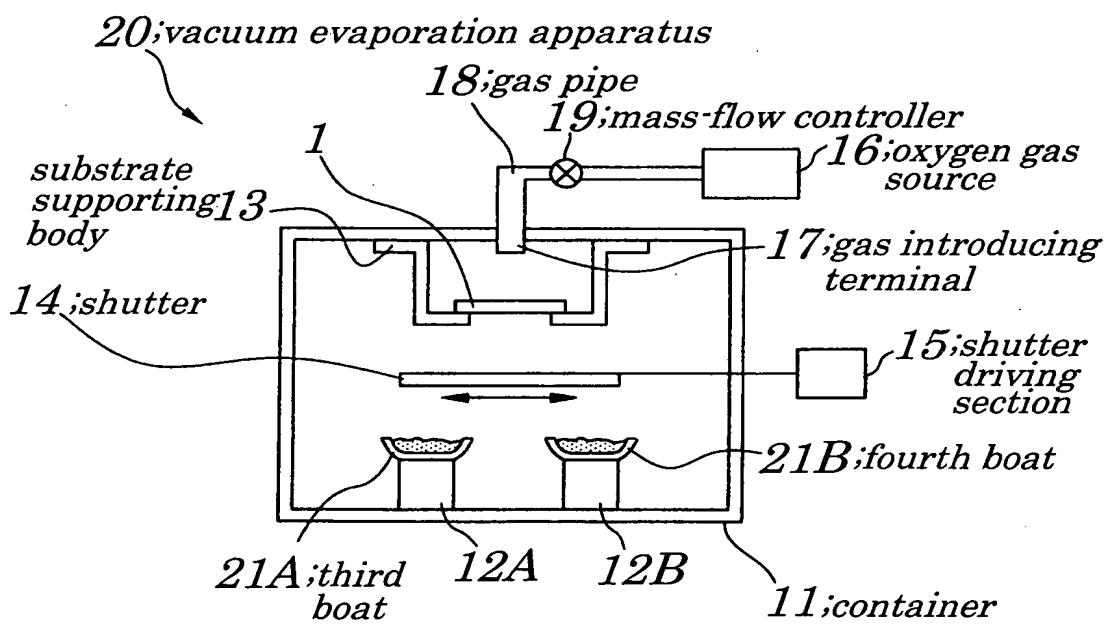


FIG.4

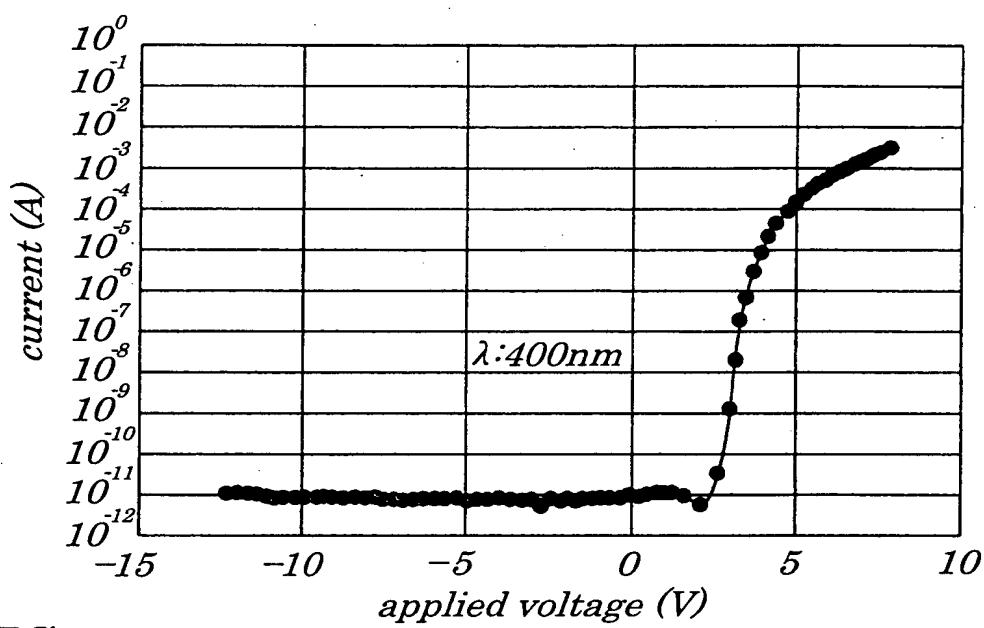


FIG.5

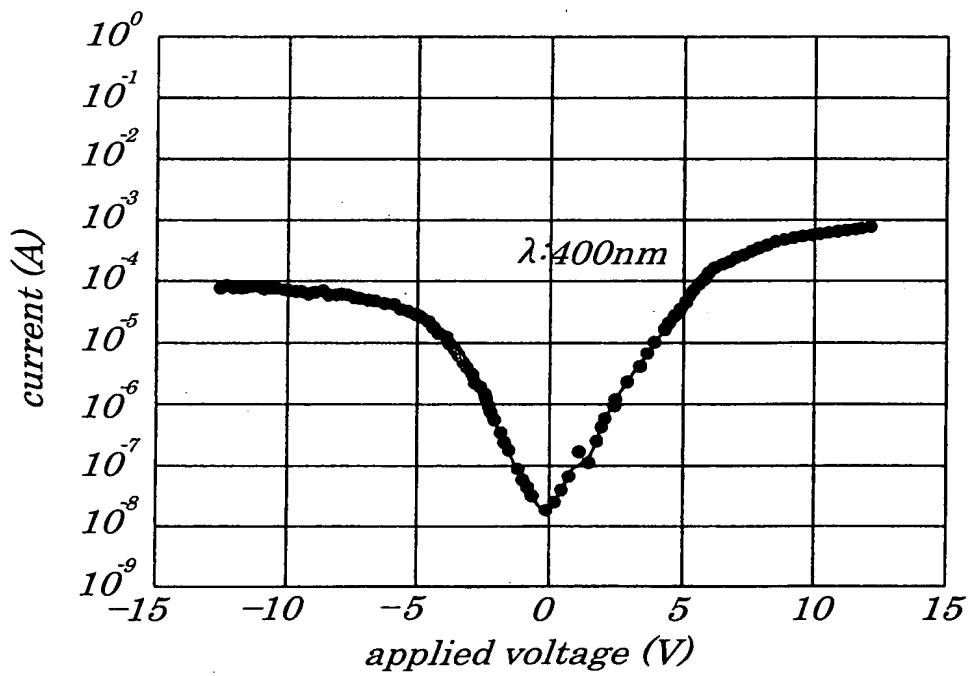


FIG. 6

No.	partial pressure of oxygen (Pa)	rectification ratio (at time of application of voltage of 8V)
1	2×10^{-4}	3×10^8
2	2×10^{-3}	2×10^8
3	5×10^{-2}	1×10^8
4	1×10^{-1}	2.8×10^8

FIG. 7

No.	partial pressure of oxygen (Pa)	rectification ratio (at time of application of voltage of 8V)
1	1×10^{-4}	3×10^4
2	2×10^{-5}	2×10^4

FIG. 8

No.	film thickness of first cathode (nm)	rectification ratio (at time of application of voltage of 8V)
1	20	3.9×10^8
2	40	1.2×10^8
3	70	1.6×10^8
4	100	2.7×10^8

FIG. 9

No.	film thickness of first cathode (nm)	rectification ratio (at time of application of voltage of 8V)
1	10	1.0×10^5
2	200	6.9×10^3
3	300	4.2×10^2
4	500	5.2×10^2

FIG. 10 (PRIOR ART)

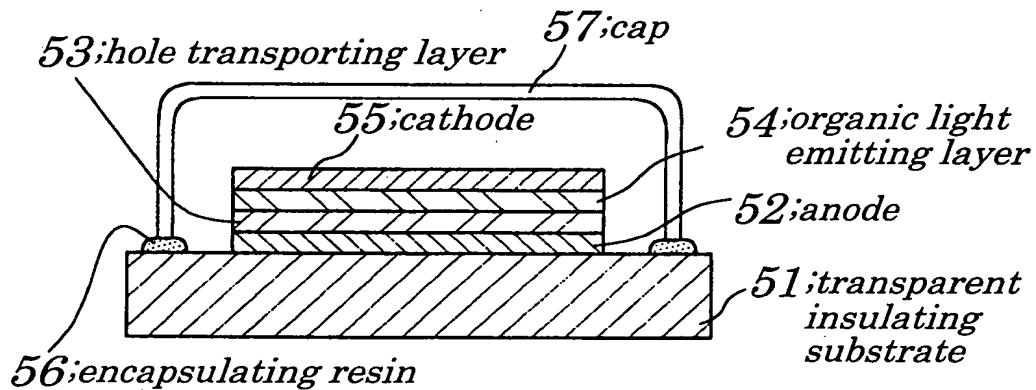


FIG.11 (PRIOR ART)

